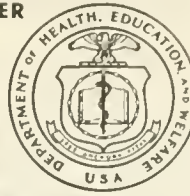


NATIONAL COMMUNICABLE DISEASE CENTER

Morbidity and Mortality



Vol. 18, No. 2

WEEKLY
REPORTFor
Week Ending
January 11, 1969

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE / PUBLIC HEALTH SERVICE HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION
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EPIDEMIOLOGIC NOTES AND REPORTS INFLUENZA - United States

An assessment of the current prevalence of influenza for the week ending January 11, 1969, indicates that influenza activity is on the decline in the United States. Widespread influenza activity was reported in 26 states, regional activity in 11 states, isolated outbreaks in eight states, and isolated cases or no activity in five states (Figure 1). The states with widespread occurrence are located predominantly in the South Atlantic, East North Central, and West North Central Divisions. Although the Mountain Division reported the greatest decline in influenza activity, the West South Central Division continued to have the least influenza activity.

State surveillance systems indicate that 26 states reached their peak influenza activity between December

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1, 1965, and January 4, 1969. An additional 11 states may have reached the epidemic peak during the week ending January 11. By December 28, five of the eight states in the Mountain Division compared with three of the 16 states in the South Atlantic and in the East and West South Central Divisions had experienced their peak influenza activity.

(Continued on page 10)

TABLE I. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	2nd WEEK ENDED		MEDIAN 1964 - 1968	CUMULATIVE, FIRST 2 WEEKS		
	January 11, 1969	January 13, 1968		1969	1968	MEDIAN 1964 - 1968
Aseptic meningitis	14	25	30	32	53	53
Brucellosis	—	1	2	—	2	6
Diphtheria	1	—	2	4	1	3
Encephalitis, primary:						
Arthropod-borne & unspecified	15	21	24	26	35	43
Encephalitis, post-infectious	4	10	10	6	19	19
Hepatitis, serum	84	57	795	171	103	1,460
Hepatitis, infectious	705	759	3	1,342	1,357	8
Malaria	45	57	3	71	76	8
Measles (rubeola)	311	482	5,544	473	715	9,428
Meningococcal infections, total	81	67	74	119	109	118
Civilian	78	67	—	113	108	—
Military	3	—	—	6	1	—
Mumps	1,881	5,026	—	3,089	7,616	—
Poliomyelitis, total	—	—	—	—	—	—
Paralytic	—	—	—	—	—	—
Rubella (German measles)	333	449	—	540	753	—
Streptococcal sore throat & scarlet fever	10,452	11,184	9,974	18,973	19,983	18,574
Tetanus	1	—	2	3	—	3
Tularemia	2	1	4	5	1	8
Typhoid fever	6	5	5	8	7	7
Typhus, tick-borne (Rky. Mt. spotted fever)	—	—	—	1	2	2
Rabies in animals	39	68	70	83	136	136

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	—	Rabies in man:	—
Botulism:	—	Rubella congenital syndrome:	—
Leptospirosis:	—	Trichinosis: N.J.-1, R.I.-2	3
Plague:	—	Typhus, murine:	—
Psittacosis: Wis.-1	1		

INFLUENZA—(Continued from front page)

During the past week, 20 states and the District of Columbia continued to report some excess school absenteeism, and two states reported closed schools or colleges because of influenza. Twelve states and the District of Columbia reported increased industrial absenteeism; 19 states noted increased hospital admissions and demands on outpatient services due to febrile respiratory illness. These indices suggest a general decrease in the extent and severity of influenza since the week ending December 21, 1968 (MMWR, Vol. 17, No. 51.)

Although the degree to which deaths can be directly attributable to influenza cannot be easily determined,

Figure 1
INFLUENZA, UNITED STATES, JANUARY 4-11, 1969

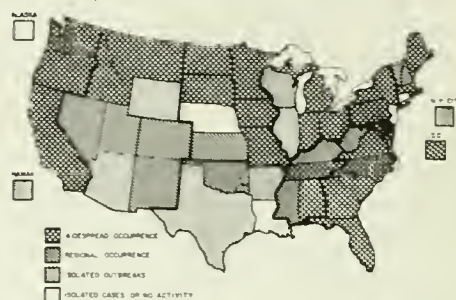
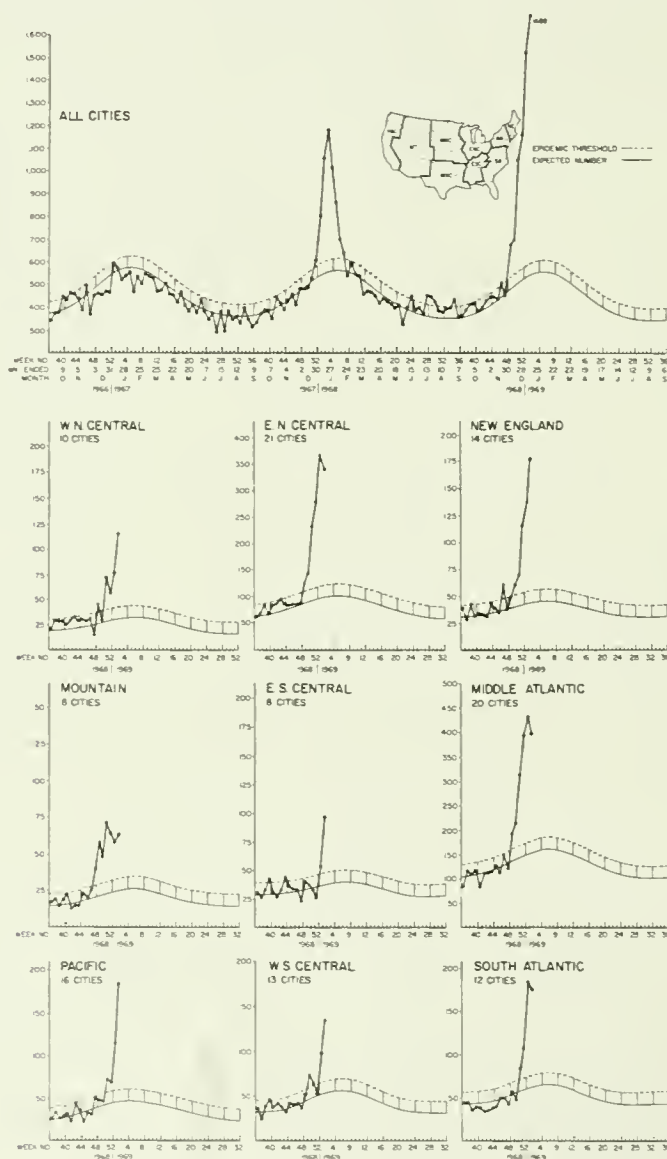


Figure 2
PNEUMONIA-INFLUENZA DEATHS IN 122 UNITED STATES CITIES



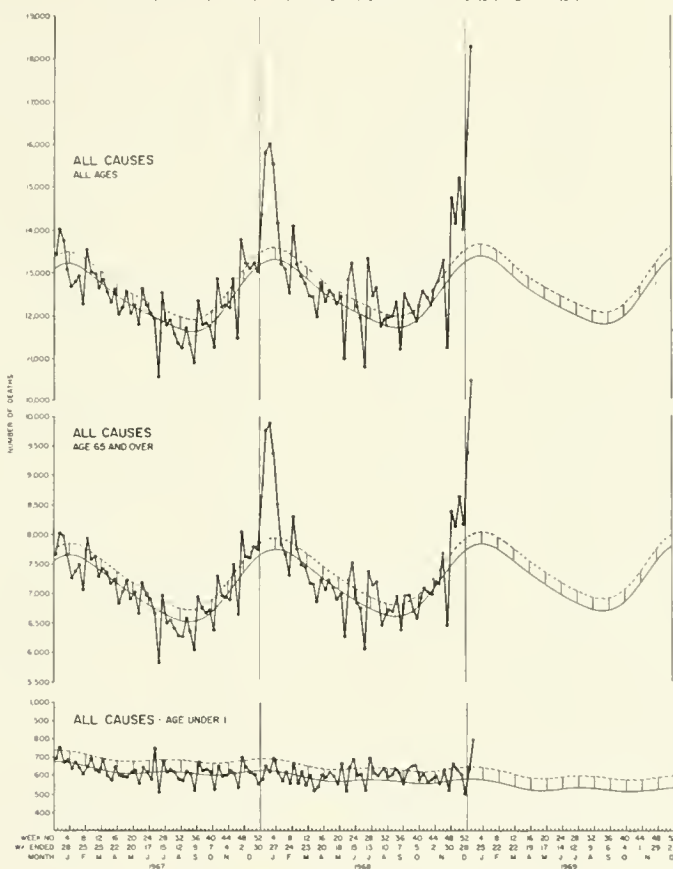
isolated reports of death primarily due to influenza in young, apparently healthy individuals, have been received. As in the case of the 1957-58 influenza epidemic, these deaths have occurred in the younger age groups due to influenza pneumonia both with and without apparent intercurrent bacterial invasion. In such instances, viral isolations frequently have been made from lung tissues and pathogenic examinations have revealed evidence of typical pulmonary viral pneumonia.

Excess total mortality and excess pneumonia-influenza mortality in 122 U.S. cities exceeded the epidemic threshold for the sixth consecutive week (Figures 2 and 3). This week the reported mortality for all causes was

18,290 and the pneumonia-influenza deaths totaled 1,688. Mortality for all causes in the under 1 year age group exceeded the epidemic threshold during the week ending January 11. Increased pneumonia-influenza mortality occurred in all geographic divisions except for the Middle Atlantic, South Atlantic, and East North Central Divisions which showed a decrease for the first time. Most of the reported increase in excess mortality was reported from the smaller cities, while many of the larger cities reported a decline in pneumonia-influenza deaths.

(Reported by the Statistics Section, and the Respiratory Disease Unit, Viral Diseases Section, Epidemiology Program, NCDC.)

Figure 3
MORTALITY IN 122 UNITED STATES CITIES



SHIGELLOSIS – North Carolina

An epidemic of shigellosis involving 158 of 1,456 residents in an institution for the mentally retarded in North Carolina occurred in mid-September 1965. The illness was characterized primarily by fever, myalgia, mild nausea and vomiting, and severe bloody diarrhea. Two deaths occurred. *Shigella flexneri* 2a was cultured from rectal swabs or stool specimens obtained from patients with clinical dysentery. Although the outbreak occurred almost entirely in residents of the institution, approxi-

mately 22 employees were also affected. The overall attack rate was 10.8 percent, and sex specific attack rates were 6.9 percent for males and 14.0 percent for females. The epidemic curve suggests a common-source outbreak with an incubation period of 1 to 7 days (Figure 4).

Investigation found that the population could be divided into three groups according to the diet received,

(Continued on page 16)

Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED
JANUARY 11, 1969 AND JANUARY 13, 1968 (2nd WEEK)

AREA	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	DIPHTHERIA	ENCEPHALITIS			HEPATITIS			MALARIA	
				Primary including unsp. cases		Post- Infectious	Serum	Infectious			
				1969	1968	1969		1969	1969	1968	1969
UNITED STATES...	14	-	1	15	21	4	84	705	759	45	71
NEW ENGLAND.....	-	-	-	2	-	-	-	55	40	4	4
Maine.*.....	-	-	-	-	-	-	-	1	3	-	-
New Hampshire.*.....	-	-	-	-	-	-	-	2	1	-	-
Vermont.*.....	-	-	-	-	-	-	-	2	1	-	-
Massachusetts.....	-	-	-	1	-	-	-	30	19	4	4
Rhode Island.....	-	-	-	1	-	-	-	8	4	-	-
Connecticut.....	-	-	-	-	-	-	-	12	12	-	-
MIDDLE ATLANTIC.....	3	-	-	2	4	1	31	121	100	-	-
New York City.....	2	-	-	1	-	-	19	53	30	-	-
New York, up-State.....	1	-	-	-	2	-	6	40	5	-	-
New Jersey.....	-	-	-	1	-	-	5	18	54	-	-
Pennsylvania.....	-	-	-	-	2	1	1	10	11	-	-
EAST NORTH CENTRAL...	1	-	-	4	7	-	2	89	119	-	3
Ohio.....	-	-	-	1	5	-	2	34	52	-	-
Indiana.....	-	-	-	-	1	-	-	-	4	-	-
Illinois.....	-	-	-	-	-	-	-	3	15	-	-
Michigan.....	1	-	-	3	1	-	-	43	38	-	3
Wisconsin.....	-	-	-	-	-	-	-	9	10	-	-
WEST NORTH CENTRAL...	-	-	-	-	-	-	-	24	39	-	-
Minnesota.*.....	-	-	-	-	-	-	-	8	9	-	-
Iowa.....	-	-	-	-	-	-	-	6	10	-	-
Missouri.....	-	-	-	-	-	-	-	5	4	-	-
North Dakota.....	-	-	-	-	-	-	-	-	1	-	-
South Dakota.....	-	-	-	-	-	-	-	4	1	-	-
Nebraska.....	-	-	-	-	-	-	-	1	3	-	-
Kansas.....	-	-	-	-	-	-	-	-	11	-	-
SOUTH ATLANTIC.....	-	-	-	1	4	-	5	102	75	12	21
Delaware.....	-	-	-	-	-	-	-	-	1	-	-
Maryland.....	-	-	-	-	1	-	1	18	15	-	-
Dist. of Columbia*.....	-	-	-	-	-	-	-	-	1	-	-
Virginia.....	-	-	-	-	-	-	-	1	8	-	-
West Virginia.....	-	-	-	-	-	-	-	9	4	-	-
North Carolina.....	-	-	-	1	3	-	2	14	6	7	16
South Carolina.....	-	-	-	-	-	-	-	10	-	4	4
Georgia.....	-	-	-	-	-	-	-	24	34	1	1
Florida.....	-	-	-	-	-	-	2	26	6	-	-
EAST SOUTH CENTRAL...	2	-	-	-	-	-	1	50	71	-	-
Kentucky.....	1	-	-	-	-	-	-	25	37	-	-
Tennessee.....	-	-	-	-	-	-	-	20	23	-	-
Alabama.....	1	-	-	-	-	-	1	5	6	-	-
Mississippi.....	-	-	-	-	-	-	-	-	5	-	-
WEST SOUTH CENTRAL...	4	-	1	-	3	-	1	47	65	-	1
Arkansas.....	2	-	1	-	-	-	-	1	1	-	-
Louisiana.....	-	-	-	-	-	-	1	4	13	-	1
Oklahoma.....	-	-	-	-	3	-	-	-	11	-	-
Texas.*.....	2	-	-	-	-	-	-	42	40	-	-
MOUNTAIN.....	-	-	-	3	-	-	-	26	44	4	8
Montana.....	-	-	-	1	-	-	-	2	5	-	-
Idaho.....	-	-	-	1	-	-	-	2	8	-	-
Wyoming.....	-	-	-	-	-	-	-	3	-	-	-
Colorado.....	-	-	-	-	-	-	-	-	-	3	7
New Mexico.....	-	-	-	-	-	-	-	4	14	1	1
Arizona.....	-	-	-	-	-	-	-	12	15	-	-
Utah.....	-	-	-	1	-	-	-	3	2	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	4	-	-	3	3	3	44	191	206	25	34
Washington.....	-	-	-	-	-	-	-	9	9	-	-
Oregon.*.....	-	-	-	-	1	1	-	11	14	1	1
California.....	4	-	-	3	2	2	44	167	182	21	25
Alaska.....	-	-	-	-	-	-	-	2	1	-	-
Hawaii.....	-	-	-	-	-	-	-	2	-	3	8
Puerto Rico.....	-	-	-	-	-	-	-	-	-	-	-

*Delayed reports (1968): Aseptic meningitis: Minn. 3

Encephalitis, primary: N.H. 1, Vt. 1

Encephalitis, post-infectious: Tex. 1

Hepatitis, serum: Minn. 1, Ore. 5

Hepatitis, infectious: Me. 2, Minn. 9, D.C. 2, Ore. 10

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

JANUARY 11, 1969 AND JANUARY 13, 1968 (2nd WEEK) CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS	POLIOMYELITIS			RUBELLA
		Cumulative			Cumulative			Total	Paralytic		
	1969	1969	1968	1969	1969	1968	1969	1969	1969	Cum. 1969	1969
UNITED STATES...	311	473	715	81	119	109	1,881	-	-	-	333
NEW ENGLAND.....	5	16	25	1	3	5	466	-	-	-	27
Maine.....	-	-	6	-	-	-	49	-	-	-	4
New Hampshire*	-	-	-	-	-	-	1	-	-	-	-
Vermont.....	-	-	-	-	-	-	189	-	-	-	2
Massachusetts.....	3	6	11	-	1	2	104	-	-	-	13
Rhode Island.....	-	-	-	1	1	-	54	-	-	-	-
Connecticut.....	2	10	8	-	1	3	69	-	-	-	8
MIDDLE ATLANTIC.....	104	154	96	15	21	16	50	-	-	-	15
New York City.....	51	78	12	-	1	-	41	-	-	-	7
New York, Up-State.	22	23	75	5	6	1	NN	-	-	-	6
New Jersey.....	9	22	9	6	9	6	9	-	-	-	-
Pennsylvania.....	22	31	-	4	5	9	NN	-	-	-	2
EAST NORTH CENTRAL...	27	38	178	9	14	17	378	-	-	-	47
Ohio.....	2	2	36	3	3	4	40	-	-	-	4
Indiana.....	6	9	23	-	-	2	42	-	-	-	9
Illinois.....	1	5	73	-	2	3	15	-	-	-	6
Michigan.....	1	2	12	5	8	8	94	-	-	-	27
Wisconsin.....	17	20	34	1	1	-	187	-	-	-	1
WEST NORTH CENTRAL...	45	63	24	8	8	10	257	-	-	-	74
Minnesota.*.....	-	9	-	3	3	1	1	-	-	-	2
Iowa.....	3	7	9	-	-	-	218	-	-	-	27
Missouri.....	39	39	1	4	4	2	1	-	-	-	41
North Dakota.....	-	-	9	-	-	-	26	-	-	-	3
South Dakota.....	-	-	1	-	-	2	NN	-	-	-	-
Nebraska.....	3	8	1	1	1	1	11	-	-	-	1
Kansas.....	-	-	3	-	-	4	-	-	-	-	-
SOUTH ATLANTIC.....	42	65	71	15	22	19	64	-	-	-	37
Delaware.....	-	-	-	2	2	-	-	-	-	-	12
Maryland.....	-	-	4	2	3	-	13	-	-	-	2
Dist. of Columbia*	-	-	-	-	-	1	-	-	-	-	-
Virginia.....	7	18	10	-	-	-	6	-	-	-	3
West Virginia.....	5	11	24	-	1	2	23	-	-	-	6
North Carolina.....	3	5	2	2	2	4	NN	-	-	-	-
South Carolina.....	9	12	2	3	4	6	11	-	-	-	6
Georgia.....	-	-	-	3	3	1	-	-	-	-	-
Florida.....	18	19	29	3	7	5	11	-	-	-	8
EAST SOUTH CENTRAL...	2	2	24	4	5	5	96	-	-	-	16
Kentucky.....	-	-	3	1	1	2	30	-	-	-	4
Tennessee.....	2	2	13	3	4	3	52	-	-	-	12
Alabama.....	-	-	7	-	-	-	12	-	-	-	-
Mississippi.....	-	-	1	-	-	-	2	-	-	-	-
WEST SOUTH CENTRAL...	48	84	138	12	15	22	264	-	-	-	50
Arkansas.....	-	-	-	-	-	1	42	-	-	-	-
Louisiana*	-	-	1	4	5	2	2	-	-	-	-
Oklahoma.....	1	1	34	1	1	9	9	-	-	-	10
Texas.....	47	83	103	7	9	10	211	-	-	-	40
MOUNTAIN.....	16	21	37	5	8	2	105	-	-	-	37
Montana.....	-	-	-	-	-	1	18	-	-	-	3
Idaho.....	-	-	6	1	1	-	1	-	-	-	1
Wyoming.....	-	-	11	-	-	-	-	-	-	-	-
Colorado.....	-	-	10	-	-	-	17	-	-	-	5
New Mexico.....	6	7	6	1	2	-	24	-	-	-	3
Arizona.....	10	14	4	2	2	1	27	-	-	-	19
Utah.....	-	-	-	1	1	-	18	-	-	-	6
Nevada.....	-	-	-	-	2	-	-	-	-	-	-
PACIFIC.....	22	30	122	12	23	13	201	-	-	-	30
Washington.....	2	2	32	1	1	1	-	-	-	-	-
Oregon.*.....	5	9	31	-	-	1	16	-	-	-	4
California.....	14	18	48	10	20	11	133	-	-	-	16
Alaska.....	1	1	-	-	-	-	38	-	-	-	-
Hawaii.....	-	-	11	1	2	-	14	-	-	-	10
Puerto Rico.....	8	13	-	-	-	-	10	-	-	-	-

*Delayed reports (1968): Measles: La. 1, Ore. 2

Meningococcal infections: Minn. 2, D.C. 1, Ore. 1

Mumps: N.H. 4, Ore. 9

Rubella: La. delete 1, Ore. 3

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
JANUARY 11, 1969 AND JANUARY 13, 1968 (2nd WEEK) CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID FEVER		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1969	1969	Cum. 1969	1969	Cum. 1969	1969	Cum. 1969	1969	Cum. 1969	1969	Cum. 1969
UNITED STATES...	10,452	1	3	2	5	6	8	-	1	39	83
NEW ENGLAND.....	1,003	-	-	-	-	-	-	-	-	-	-
Maine.*.....	45	-	-	-	-	-	-	-	-	-	-
New Hampshire.*.....	22	-	-	-	-	-	-	-	-	-	-
Vermont.*.....	90	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	191	-	-	-	-	-	-	-	-	-	-
Rhode Island.....	86	-	-	-	-	-	-	-	-	-	-
Connecticut.....	569	-	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	394	-	-	-	-	1	1	-	-	1	1
New York City.....	9	-	-	-	-	-	-	-	-	-	-
New York, Up-State.....	364	-	-	-	-	1	1	-	-	1	1
New Jersey.....	NN	-	-	-	-	-	-	-	-	-	-
Pennsylvania.....	21	-	-	-	-	-	-	-	-	-	-
EAST NORTH CENTRAL...	691	-	1	-	-	-	-	-	-	1	3
Ohio.....	82	-	-	-	-	-	-	-	-	1	1
Indiana.....	147	-	-	-	-	-	-	-	-	-	-
Illinois.....	110	-	-	-	-	-	-	-	-	-	1
Michigan.....	261	-	1	-	-	-	-	-	-	-	-
Wisconsin.....	91	-	-	-	-	-	-	-	-	-	1
WEST NORTH CENTRAL...	313	-	-	-	1	-	-	-	-	4	8
Minnesota.*.....	5	-	-	-	-	-	-	-	-	2	2
Iowa.....	95	-	-	-	-	-	-	-	-	1	3
Missouri.....	5	-	-	-	1	-	-	-	-	1	3
North Dakota.....	120	-	-	-	-	-	-	-	-	-	-
South Dakota.....	31	-	-	-	-	-	-	-	-	-	-
Nebraska.....	57	-	-	-	-	-	-	-	-	-	-
Kansas.*.....	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	1,302	-	-	1	1	1	1	-	-	13	28
Delaware.....	13	-	-	-	-	-	-	-	-	-	-
Maryland.....	285	-	-	-	-	-	-	-	-	-	-
Dist. of Columbia.*.....	1	-	-	-	-	-	-	-	-	-	-
Virginia.....	196	-	-	-	-	-	-	-	-	9	18
West Virginia.....	193	-	-	1	1	-	-	-	-	2	4
North Carolina.....	15	-	-	-	-	-	-	-	-	-	-
South Carolina.....	412	-	-	-	-	1	1	-	-	-	-
Georgia.....	14	-	-	-	-	-	-	-	-	-	2
Florida.....	173	-	-	-	-	-	-	-	-	2	4
EAST SOUTH CENTRAL...	1,962	-	-	1	2	-	1	-	1	8	19
Kentucky.....	182	-	-	-	-	-	-	-	-	6	11
Tennessee.....	1,464	-	-	1	2	-	1	-	1	1	6
Alabama.....	176	-	-	-	-	-	-	-	-	1	2
Mississippi.....	140	-	-	-	-	-	-	-	-	-	-
WEST SOUTH CENTRAL...	1,302	-	-	-	-	3	3	-	-	9	13
Arkansas.....	24	-	-	-	-	3	3	-	-	1	1
Louisiana.....	32	-	-	-	-	-	-	-	-	3	3
Oklahoma.....	50	-	-	-	-	-	-	-	-	-	-
Texas.*.....	1,196	-	-	-	-	-	-	-	-	5	9
MOUNTAIN.....	2,438	-	-	-	1	-	-	-	-	2	8
Montana.....	36	-	-	-	-	-	-	-	-	-	-
Idaho.....	203	-	-	-	-	-	-	-	-	-	-
Wyoming.....	457	-	-	-	-	-	-	-	-	1	2
Colorado.....	1,091	-	-	-	-	-	-	-	-	-	-
New Mexico.....	247	-	-	-	1	-	-	-	-	1	3
Arizona.....	166	-	-	-	-	-	-	-	-	-	-
Utah.....	237	-	-	-	-	-	-	-	-	-	-
Nevada.....	1	-	-	-	-	-	-	-	-	-	3
PACIFIC.....	1,047	1	2	-	-	1	2	-	-	1	3
Washington.....	-	-	-	-	-	-	-	-	-	-	-
Oregon.*.....	50	-	-	-	-	-	-	-	-	-	-
California.....	818	1	2	-	-	1	2	-	-	1	3
Alaska.....	53	-	-	-	-	-	-	-	-	-	-
Hawaii.....	126	-	-	-	-	-	-	-	-	-	-
Puerto Rico.....	3	-	-	-	-	-	-	-	-	-	-

*Delayed reports (1968): SST: Me. 65, N.H. 2, D.C. 2, Ore. 114

Tetanus: Tex. 1

Typhoid fever: Vt. 1

Rabies in animals: Minn. 9, Kans. 1

Week No.

TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED JANUARY 11, 1969

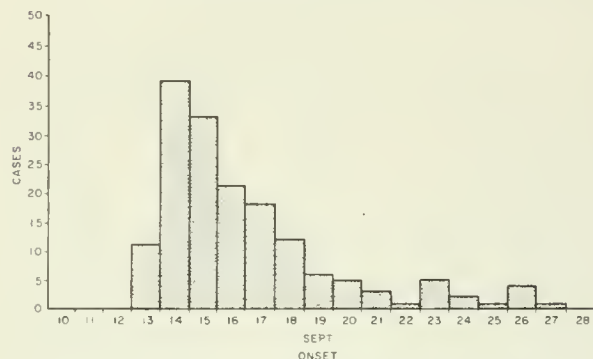
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(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes	Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over				All Ages	65 years and over		
NEW ENGLAND:	1,050	674	178	31	SOUTH ATLANTIC:	1,593	819	175	85
Boston, Mass.-----	262	163	36	8	Atlanta, Ga.-----	100	47	20	8
Bridgeport, Conn.-----	57	33	12	1	Baltimore, Md.-----	354	190	19	19
Cambridge, Mass.-----	44	32	10	-	Charlotte, N. C.-----	107	48	11	7
Fall River, Mass.-----	53	41	5	1	Jacksonville, Fla.-----	105	56	8	3
Hartford, Conn.-----	85	45	14	4	Miami, Fla.-----	141	72	5	7
Lowell, Mass.-----	58	42	9	-	Norfolk, Va.-----	121	47	25	5
Lynn, Mass.-----	31	24	9	-	Richmond, Va.-----	123	71	12	7
New Bedford, Mass.-----	55	40	11	2	Savannah, Ga.-----	58	23	16	6
New Haven, Conn.-----	77	42	4	8	St. Petersburg, Fla.-----	97	75	9	1
Providence, R. I.-----	95	54	22	2	Tampa, Fla.-----	92	50	16	4
Somerville, Mass.-----	20	12	3	-	Washington, D. C.-----	238	106	22	12
Springfield, Mass.-----	67	44	11	1	Wilmington, Del.-----	57	34	12	6
Waterbury, Conn.-----	43	28	9	2					
Worcester, Mass.-----	103	74	23	2	EAST SOUTH CENTRAL:	997	539	97	42
MIDDLE ATLANTIC:	4,857	2,878	398	203	Birmingham, Ala.-----	142	79	5	6
Albany, N. Y.-----	72	48	3	3	Chattanooga, Tenn.-----	107	58	24	1
Allentown, Pa.-----	43	29	12	-	Knoxville, Tenn.-----	62	41	3	3
Buffalo, N. Y.-----	216	138	13	7	Louisville, Ky.-----	212	108	28	7
Camden, N. J.-----	76	39	9	4	Memphis, Tenn.-----	235	122	10	11
Elizabeth, N. J.-----	30	21	4	1	Mobile, Ala.-----	47	27	3	2
Erie, Pa.-----	47	28	7	2	Montgomery, Ala.-----	63	35	6	7
Jersey City, N. J.-----	88	46	5	5	Nashville, Tenn.-----	129	69	18	5
Newark, N. J.-----	129	65	16	7	WEST SOUTH CENTRAL:	1,772	934	134	94
New York City, N. Y.-----	2,102	1,225	160	98	Austin, Tex.-----	61	35	11	1
Paterson, N. J.-----	55	36	9	3	Baton Rouge, La.-----	71	37	8	13
Philadelphia, Pa.-----	1,096	633	20	35	Corpus Christi, Tex.-----	63	32	2	2
Pittsburgh, Pa.-----	322	177	57	15	Dallas, Tex.-----	250	130	16	13
Reading, Pa.-----	93	60	11	3	El Paso, Tex.-----	71	32	11	8
Rochester, N. Y.-----	153	100	39	8	Fort Worth, Tex.-----	130	69	3	12
Schenectady, N. Y.-----	27	21	4	-	Houston, Tex.-----	330	162	15	4
Scranton, Pa.-----	53	33	4	1	Little Rock, Ark.-----	97	52	6	8
Syracuse, N. Y.-----	126	92	13	3	New Orleans, La.-----	213	122	14	9
Trenton, N. J.-----	46	33	3	5	Oklahoma City, Okla.-----	115	59	5	5
Utica, N. Y.-----	33	23	6	2	San Antonio, Tex.-----	218	117	21	12
Yonkers, N. Y.-----	50	31	3	1	Shreveport, La.-----	62	31	6	4
EAST NORTH CENTRAL:	3,837	2,179	344	184	Tulsa, Okla.-----	91	56	16	3
Akron, Ohio-----	110	57	12	6	MOUNTAIN:	612	352	63	42
Canton, Ohio-----	47	30	6	1	Albuquerque, N. Mex.-----	71	31	12	6
Chicago, Ill.-----	984	509	65	51	Colorado Springs, Colo.-----	20	10	4	2
Cincinnati, Ohio-----	238	147	16	18	Denver, Colo.-----	150	90	17	8
Cleveland, Ohio-----	346	181	23	12	Ogden, Utah-----	23	15	5	3
Columbus, Ohio-----	190	111	15	9	Phoenix, Ariz.-----	159	87	7	11
Dayton, Ohio-----	126	76	16	4	Pueblo, Colo.-----	25	17	4	2
Detroit, Mich.-----	462	248	29	23	Salt Lake City, Utah-----	68	41	3	7
Evansville, Ind.-----	73	53	3	1	Tucson, Ariz.-----	96	61	11	3
Flint, Mich.-----	69	35	13	6	PACIFIC:	2,342	1,438	183	70
Fort Wayne, Ind.-----	69	39	9	5	Berkeley, Calif.-----	22	15	1	-
Cary, Ind.-----	24	11	5	2	Fresno, Calif.-----	71	46	9	3
Grand Rapids, Mich.-----	80	57	23	3	Clendale, Calif.-----	40	28	2	1
Indianapolis, Ind.-----	233	132	15	12	Honolulu, Hawaii-----	59	29	1	6
Madison, Wis.-----	71	35	15	7	Long Beach, Calif.-----	137	90	17	1
Milwaukee, Wis.-----	237	155	13	7	Los Angeles, Calif.-----	683	429	54	17
Peoria, Ill.-----	75	50	8	4	Oakland, Calif.-----	123	66	9	5
Rockford, Ill.-----	50	35	10	2	Pasadena, Calif.-----	40	29	4	-
South Bend, Ind.-----	60	34	18	3	Portland, Oreg.-----	203	125	5	7
Toledo, Ohio-----	206	137	25	5	Sacramento, Calif.-----	81	55	5	2
Youngstown, Ohio-----	87	47	5	3	San Diego, Calif.-----	173	99	15	8
WEST NORTH CENTRAL:	1,230	779	116	47	San Francisco, Calif.-----	262	146	19	3
Des Moines, Iowa-----	91	61	8	1	San Jose, Calif.-----	52	25	11	5
Duluth, Minn.-----	28	18	4	1	Seattle, Wash.-----	217	139	12	5
Kansas City, Kans.-----	61	44	7	2	Spokane, Wash.-----	113	71	14	4
Kansas City, Mo.-----	188	124	8	7	Tacoma, Wash.-----	66	46	5	3
Lincoln, Nebr.-----	41	29	7	1	Total	18,290	10,592	1,688	798
Minneapolis, Minn.-----	166	108	10	12	Cumulative Totals				
Omaha, Nebr.-----	102	67	9	-	including reported corrections for previous weeks				
St. Louis, Mo.-----	368	209	44	12	All Causes, All Ages -----	34,540			
St. Paul, Minn.-----	129	84	10	5	All Causes, Age 65 and over-----	19,954			
Wichita, Kans.-----	56	35	9	6	Pneumonia and Influenza, All Ages-----	3,212			
					All Causes, Under 1 Year of Age-----	1,431			

SHIGELLOSIS - (Continued from page 11)

Figure 4
FOODBORNE SHIGELLOSIS BY DATE OF ONSET IN AN
INSTITUTION, NORTH CAROLINA
SEPTEMBER 10-28, 1968



which is determined by severity of retardation. Food histories revealed an attack rate of 3.8 percent for those on a regular diet, 5.2 percent for those on a bowl diet, and 23.0 percent for those on the ground diet. The ground diet is entirely different in content and/or preparation from the other diets and involves more handling.

Although no definite source for contamination of the incriminated common vehicle was found, several breakdowns in accepted sanitary procedures were noted. Exposed soiled diapers were stored adjacent to cottage kitchens, limited quantities of garbage were returned from the cottage kitchens to the central kitchen for disposal, and flies were present. Environmental cultures from the kitchen and cultures from 114 full-time food handlers were negative. No food was available for culture. It was postulated that contamination was probably transmitted from the cottages, where shigellosis has occurred previously, to the central kitchen and then redistributed through food to the residents.

Control measures for the outbreak included antibiotic therapy for acute clinical cases, isolation of patients with dysentery insofar as practical, and renewed efforts at better sanitary practices in the institution.

(Reported by Dorothy Shearin, M.D., Medical Director, Murdock Center, and the Medical Staff at Murdock Center, North Carolina; Martin P. Hines, M.D., D.V.M., Director, Division of Epidemiology, and J. N. MacCormack, M.D., Consultant in Communicable Diseases, North Carolina State Board of Health; and two EIS Officers.)

INTERNATIONAL NOTES INFLUENZA - Canada

The first documented outbreaks of A2 Hong Kong/68 influenza in Canada have been reported from five Provinces during December 1968. Viral isolates from Quebec, Ontario, Manitoba, Alberta, and British Columbia were confirmed as A2 Hong Kong/68-like viruses during the week ending January 4. The outbreaks are currently reported as isolated.

(Reported by Frederick P. Nagler, M.D., Chief, Virus Laboratory, Laboratory of Hygiene, Department of National Health and Welfare, Ottawa, Canada.)

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DIRECTOR, NATIONAL COMMUNICABLE DISEASE CENTER

DAVID J. SENCER, M.D.
A. D. LANGMUIR, M.D.
IOA L. SHERMAN, M.S.

EDITOR
MANAGING EDITOR

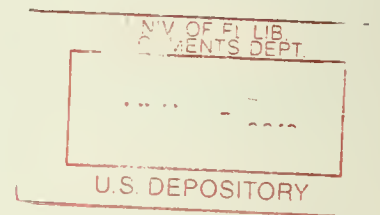
MICHAEL B. GREGG, M.D.
PRISCILLA B. HOLMAN

IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE NATIONAL COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH OFFICIALS AND WHICH ARE DIRECTLY RELATED TO THE CONTROL OF COMMUNICABLE DISEASES. SUCH COMMUNICATIONS SHOULD BE ADDRESSED TO:

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ATLANTA, GEORGIA 30333
ATTN: THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE NCDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES AT CLOSE OF BUSINESS ON FRIDAY; COMPILED DATA ON A NATIONAL BASIS ARE OFFICIALLY RELEASED TO THE PUBLIC ON THE SUCCEEDING FRIDAY.

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